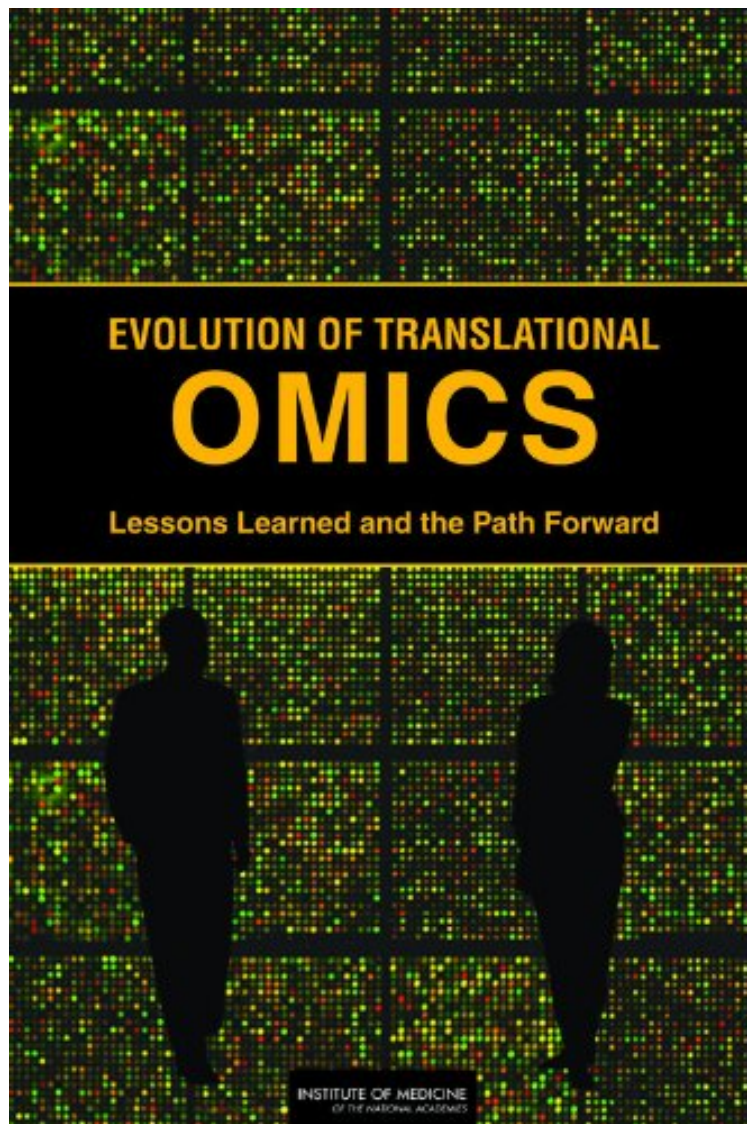


[Read and download] Evolution of Translational Omics: Lessons Learned and the Path Forward

Evolution of Translational Omics: Lessons Learned and the Path Forward

Institute of Medicine, Board on Health Sciences Policy, Board on Health Care Services, Committee on the Review of Omics-Based Tests for Predicting Patient Outcomes in Clinical Trials

**Download PDF | ePub | DOC | audiobook | ebooks*



#4397686 in Books 2012-09-13PDF # 1 .0 x .0 x .0l, .0 #File Name: 0309224187354 pages | File size: 45.Mb

Institute of Medicine, Board on Health Sciences Policy, Board on Health Care Services, Committee on the Review of Omics-Based Tests for Predicting Patient Outcomes in Clinical Trials : Evolution of Translational Omics: Lessons Learned and the Path Forward before purchasing it in order to gage whether or not it would be

worth my time, and all praised Evolution of Translational Omics: Lessons Learned and the Path Forward:

Technologies collectively called omics enable simultaneous measurement of an enormous number of biomolecules; for example, genomics investigates thousands of DNA sequences, and proteomics examines large numbers of proteins. Scientists are using these technologies to develop innovative tests to detect disease and to predict a patient's likelihood of responding to specific drugs. Following a recent case involving premature use of omics-based tests in cancer clinical trials at Duke University, the NCI requested that the IOM establish a committee to recommend ways to strengthen omics-based test development and evaluation. This report identifies best practices to enhance development, evaluation, and translation of omics-based tests while simultaneously reinforcing steps to ensure that these tests are appropriately assessed for scientific validity before they are used to guide patient treatment in clinical trials.